

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Aliaksandr A. ANTANOUSKI

Appl. No.: 10/524,741

Filed: February 14, 2005

For: **Portable watch with radiation monitor**

Confirmation No.: 6548

Art Unit: 2884

Examiner: MALEVIC, DJURA

Atty. Docket: 2447.0050000

**Declaration Under 37 C.F.R. § 1.132**

***Mail Stop Amendment***

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned, Liudmila Antonauskaya, declares and states that,

1. I am the owner of Polimaster, Ltd., which is in the business of manufacturing, marketing and selling radiation detectors and monitors (see <http://www.polimaster.com/>), including wristwatch-type radiation detectors that are the subject of the present application.

2. I am also the daughter of Aliaksandr Antanouski, the inventor of the present application. I am also the legal heir and administrator of estate Aliaksandr Antanouski, and, as such, the owner of the present application.

3. As the owner of Polimaster who takes an active part in management of the company, I am familiar with the market for radiation detectors, and particularly, the wristwatch-type radiation detectors. Examples of wristwatch-type radiation detectors are sold by Polimaster under the “PM1208”, “PM1208M” and “PM1603A/B” brands, <http://polimaster.com/products/dosimeters/pm1208.php>,

<http://polimaster.com/products/dosimeters/pm1603a-b.php> , and are illustrated in the figures below:



4. Polimaster today has at least a 95% market share, worldwide, for wristwatch-type radiation detectors. There is no question that the devices embodying the claims are successful in the marketplace.

5. Claim 9 recites:

9. A portable watch comprising:
  - a case;
  - a power supply unit in said case;
  - a micro controller in said case operatively connected to said power supply unit for receiving power therefrom;
  - a timekeeping and time indicating unit in said case operatively connected to said micro controller for operation thereby;
  - a Geiger-Muller counter in said case for detecting radiation and for delivering corresponding signals to said micro controller for calculation of an effective radiation dose therein;
  - a voltage pulse converter connected between said micro controller and said Geiger-Muller counter for transforming a low voltage from said micro controller into a constant high voltage for transmission to said Geiger-Muller counter, and
  - a pulse former connected to and between said Geiger-Muller counter and said micro controller for converting impulses from said Geiger-Muller counter into predetermined shapes for processing in said micro controller.

6. The Office Action argues that it would be obvious to combine Phelps with Allemand to result in the invention of claim 9. I respectfully disagree, and the commercial success of Polimaster's products is clear evidence that such a combination is not obvious.

7. As shown in the attached Exhibit A, Polimaster has sold approximately 1250 such devices in the first year that the devices were on the market, about 3000 such devices in the second year, and we expect to sell at least 11000 such devices in 2007. All other competitor products combined represent barely a footnote in the market share.

8. The success of Polimaster's PM1208, PM1208M and PM1603A/B product series is due to Polimaster solving the problems in the prior art relating to the use of a high voltage detector with a high dynamic range (a Geiger counter) in a small form factor (a wristwatch) and which is useable for a long time due to the power management implemented in the micro controller, as recited in, for example, claim 9.

9. As the person signing below, I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issue thereupon.

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Date

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Liudmila Antonauskaya

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<http://polimaster.com/products/dosimeters/pml603a-b.php> , and are illustrated in the figures below:



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7. As shown in the attached Exhibit A, Polimaster has sold approximately 1250 such devices in the first year that the devices were on the market, about 3000 such devices in the second year, and we expect to sell at least 11000 such devices in 2007. All other competitor products combined represent barely a footnote in the market share.

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08/30/2007

Date

  
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Liudmila Antonauskaya

Atty. Dkt. No. 2447.0050000

**Polimaster Ltd.**

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No. 12/01-07-14 dd. 01/29/ 2007

Polimaster Inc.  
2300 Clarendon Blvd., Suite 708  
Arlington, VA, 22201

Attn.: Mr. Vladimir Kanevsky,  
The President

**Re: Annual Sales Report 2006 (re portable watch and dosimeter devices)***Dear Mr. Kanevsky,*

In response to your inquiry please find our annual report on comparative sales of devices PM1208 and PM 1603A/B integrating portable wrist watch and gamma dosimeter as follows:

Device type:	Year 2005 (devices sold)	Year 2006(devices sold)
PM 1208	834	2 350
PM1603A/B	432	745
<b>Total:</b>	<b>1 266</b>	<b>3 095</b>

Our company estimated sales in 2007 based on the market capacity and demand research is calculated and included into manufacturing are as follow:

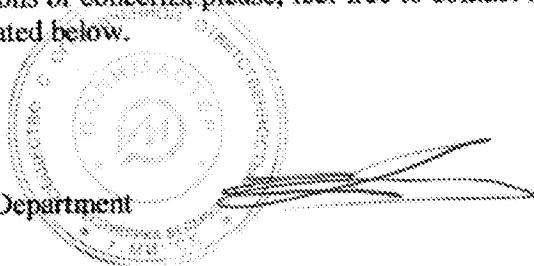
Estimated Sales	PM 1208 (devices per year)	PM 1603A/B (devices per year)
Year 2007	7,500	4 300
<b>Total:</b>	<b>11,800</b>	

Moreover, we expect our sales of portable wrist watch and dosimeter devices to be significantly increased in 2007 because the new model of PM1208M device has been released for sale at the beginning of 2007.

If you have any questions or concerns, please, feel free to contact me at [lukash@polimaster.com](mailto:lukash@polimaster.com) or by the phones indicated below.

*Sincerely,*

**Sergey Lukash**  
Head of Export Sales Department



QUALITY MANAGEMENT SYSTEM STB ISO9001

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